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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/785,544	02/16/2001	Erich Geiger	Westphal.6080	5200

7590 01/13/2005

Patric J. O'Shea, Esq.
Samuels, Gauthier & Stevens LLP
Suite 3300
225 Franklin Street
Boston, MA 02110

EXAMINER

TRAN, DALENA

ART UNIT	PAPER NUMBER
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3661

DATE MAILED: 01/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/785,544	GEIGER ET AL.	
	Examiner	Art Unit	
	Dalena Tran	3661	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 October 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Notice to Applicant(s)

1. This office action is responsive to the amendment filed on 10/13/04. Claims 1-24 are pending.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-2, and 5-24, are rejected under 35 U.S.C.103(a) as being unpatentable over Kadaba et al. (6,298,305) in view of Hessing (6,334,089).

As per claims 1, and 24, Kadaba et al. disclose a navigation system for use in a motor vehicle, comprising: a data input unit through which a user enters start position data and destination position data and provides received start position data and destination position data (see at least column 4, lines 6-24; and columns 4-5, lines 45-27), a first non-volatile memory unit stores a basic navigation database including road map information (see at least columns 3-4, lines 28-5), and a navigation computer receives start and destination position data, and computes driving directions between the starting and destination position using information from basic navigation database (see at least column 3, lines 6-46; and column 4, lines 6-56), and a data output unit for outputting driving direction to the user (see at least columns 3, lines 37-46; and column 4, lines 25-44). Kadaba et al. do not disclose a communication unit that receives supplemental navigation data. However, Hessing discloses a communication unit that receives

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supplemental navigation data including detailed information of digital road maps, and provides receives supplemental navigation data (see at least columns 1-2, lines 53-38; and columns 3-4, lines 48-34), a second non-volatile memory unit that receives and stores received supplemental navigation data, and a navigation computer receives supplemental navigation data (see at least columns 5-6, lines 35-5). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of Kadaba et al. by combining a communication unit that receives supplemental navigation data, and a second non-volatile memory unit to retains the data content when power is loss or turn off and receives and stores received supplemental navigation data to provide detail route navigation to the driver.

Also, as per claims 2, Hessing discloses communication unit includes a wireless receiver that receives supplemental data (see at least columns 2-3, lines 39-4; and column 3, lines 35-47).

As per claim 5, Kadaba et al. disclose data output unit comprises a display for presenting driving directions to the user (see at least column 3, lines 37-46).

As per claim 6, Kadaba et al. do not disclose graphic data for presentation on display. However, Hessing discloses supplemental navigation data comprises graphic data for presentation on display (see at least column 4, lines 35-38). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of Kadaba et al. by combining supplemental navigation data comprises graphic data for presentation on display for assisting the driver finding the correct route to the destination.

As per claims 7-11, Kadaba et al. disclose first non-volatile memory unit comprises a wide variety of memory such as a compact disk, a digital video disk, a hard disk, and a read-only memory (see at least column 3, lines 28-46).

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As per claims 12-15, Hessing discloses second non-volatile memory unit comprises a hard disk, a flash-random access memory, a dynamic random access memory, and navigation computer, data input unit, data output unit, first, second memory, and communication unit are arranged in a ring communication network (see at least columns 5-6, lines 35-5). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of Kadaba et al. by combining second memory unit comprises a hard disk, a flash-random access memory, a dynamic random access memory, and navigation computer, data input unit, data output unit, first, second memory, and communication unit are arranged in a ring communication network for storing guidance information as to a destination or target object under search.

As per claims 16-17, Kadaba et al. disclose a position locating unit comprises a GPS receiver (see at least column 3, lines 6-20).

As per claim 18, Hessing discloses received supplemental navigation data comprises data for used by navigation computer to provide routine search and destination directions relating to a starting position, an intermediate destination, and a final destination specified by the user (see at least columns 3-4, lines 48-34).

Also, as per claim 19, Hessing discloses communication unit comprises a memory input port configured to receive a data medium that includes supplemental navigation data (see at least column 4, lines 12-33).

As per claims 20-22, Kadaba et al. do not disclose data medium comprises a compact disk, a digital video versatile disk, and an IC memory card. However, Hessing discloses data medium comprises a compact disk, a digital video versatile disk, and an IC memory card (see

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column 5, line 29 to column 6, line 5). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of Kadaba et al., by combining data medium comprises a compact disk, a digital video versatile disk, and an IC memory card to store routes to all eventually possible destinations in preparing the route in a timely manner up to the start of travel.

Claim 23 is method claim corresponding to system claims 1, and 24 above. Therefore, it is rejected for the same rationales set forth as above.

4. Claim 3, is rejected under 35 U.S.C.103(a) as being unpatentable over Kadaba et al. (6,298,305), and Hessing (6,334,089) as applied to claim 2 above, and further in view of Van Roekel (6,127,969).

As per claim 3, Kadaba et al., and Hessing do not disclose GSM receiver. However, Van Roekel discloses wireless receiver includes a GSM receiver (see at least column 6, lines 10-24). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of Kadaba et al., and Hessing by combining wireless receiver includes a GSM receiver to provide simple, and reliable indication of direction information to a driver.

5. Claim 4, is rejected under 35 U.S.C.103(a) as being unpatentable over Kadaba et al. (6,298,305), and Hessing (6,334,089) as applied to claim 2 above, and further in view of Brown et al. (6,366,622).

As per claim 4, Kadaba et al., and Hessing do not disclose Bluetooth compatible communication. However, Brown et al. disclose wireless receiver receives supplemental navigation data via a Bluetooth compatible communication protocol (see column 3, lines 10-61). It would have been obvious to one of ordinary skill in the art at the time the invention was made

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to modify the teach of Kadaba et al., and Hessing by combining wireless receiver receives supplemental navigation data via a Bluetooth compatible communication protocol to reduce an interferer causing problems in the reception of a signal.

Remarks

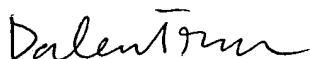
6. Applicant's argument filed on 10/13/04 has been fully considered. Upon updated search, the new ground of rejection has been set forth as above. Nimura et al. (4,992,947) reference is not in this rejection.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dalena Tran whose telephone number is 703-308-8223. The examiner can normally be reached on M-F (7:30 AM-5:30 PM), off every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black can be reached on 703-305-8233. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-7687 for regular communications and 703-305-7687 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1113.

Patent Examiner
Dalena Tran



January 7, 2005